

ISBB2023

International Summit on
Biotechnology & Bioinformatics

September 14-15, 2023 | San Francisco, USA



Day-01 | September 14, 2023

09:00-09:30		On Spot Registrations
Chair		Oscar Segurado , Chief Medical Officer at ASC Therapeutics, USA
Co-Chair		Bharat Bhushan , Academy Professor, The Ohio State University, USA
09:30-09:40		Introductory Speech by Bharat Bhushan
09:40-10:20	P	Title: Advances in Gene Therapies for Rare Diseases Oscar Segurado , ASC Therapeutics, USA
10:20-11:00	P	Title: Lessons From Nature: Bioinspired Mechanically Durable and Self-healing Superliquiphilic/Phobic Surfaces Bharat Bhushan , The Ohio State University, USA
11:00-11:15		Refreshment Breaks
11:15-11:55	P	Title: Human Nanomedicine: Real Clinical Trial Results with Nanomaterials Thomas J. Webster , Interstellar Therapeutics, USA
11:55-12:35	P	Title: Democratizing Precision Medicine: Unveiling Unique Treatment Opportunities in Safety-Net Hospital Settings to Advance Health Equity James W. Lillard , Morehouse School of Medicine, USA
12:35-13:15	P	Title: Tools For Multiomics: Breaking Barriers Across Input Sample Types, Amounts and Sequencers Sukhinder Sandhu , Integrated DNA Technologies, USA
13:15-14:15		Group Photo Lunch Break
14:15-14:45	K	Title: Harnessing the Role of Microbial Derived Bioactive Secondary Metabolites into Game Changing Anti-Cancer Drugs Kajal Gupta , Rush University Medical Center, USA
14:45-15:15	K	Title: Understanding ABC Transporters to Navigate Human Diseases Ruchika Bajaj , University of California, USA

15:15-15:45	K	Title: Telehealth: Catalyzing a Revolution in Healthcare - A Bilateral Perspective
		Deepak Singh , Teladoc Health, USA
Sessions		Immunology and Immunotherapy, Cancer Therapeutics and Biopharmaceuticals, Drug Discovery and Development, Computational Biology and Bioinformatics, Transcriptomics and Epigenomics, Proteomics and Metabolomics
Session Chair		Kajal Gupta , Rush University Medical Center, USA
15:45-16:10	I	Title: Using CDD Vault for Data Management in Drug Discovery Research
		Salima Ismayilova , Collaborative Drug Discovery Inc., USA
16:10-16:35	I	Title: Substrate Stiffness Dictates Unique Doxorubicin-Induced Senescence-Associated Secretory Phenotypes in Primary Pulmonary Fibroblasts
		Huixun Du , Buck Institute for Research on Aging, USA
16:35-16:50		Refreshment Breaks
16:50-17:15	I	Title: Investigation of Chimeric Fusion Protein Use for Inhibiting Tumor Genesis and Preventing Cell Aging
		Xiaosu Si , Northeastern University, USA
17:15-17:40	I	Title: From Nature to Cancer Therapy: Evaluating the RTK-Inhibiting Potential of Streptomyces Clavuligerus Secondary Metabolites
		Ravi Saini , Indian Institute of Technology (BHU), India
17:40-18:05	I	Title: Using K-means and PCA to Identify in Silico Peptides with Potential Anti-SARS-CoV-2 Activity
		Raul Munoz-Hernandez , Ensenada Center for Scientific Research and Higher Education, Mexico
18:05-18:30	I	Title: Examining the Role of Glucocorticoid Signalling in Brain Stress Responses and Psychiatric Disorders: A Transcriptomic Approach in Zebrafish Models
		Lara Oberski , University of Sheffield, UK
Closing the Conference for Day 1		

Day-02 | September 15, 2023

9:30-10:10	P	Title: Bridging the Diversity Gap in Biotechnology: The Innovation and Impact of the B2BB Program James W. Lillard , Morehouse School of Medicine, USA
10:10-10:50	P	Title: High Dimensional Data Analysis for Multi-Modal Radiogenomic Prognosis of Non-Small Cell Lung Cancer Bardia Yousefi , University of Maryland College Park, USA
10:50-11:05		Refreshment Breaks
11:05-11:45	P	Title: Current State and Recognition of Ayurveda Research Compared to Integrative Healthcare Modalities Mahadevan Seetharaman , Hindu University of America, USA
11:45-12:25	P	Title: Inhalation Drug Product Development and Commercialization Aditya R. Das , Pharmaceutical Consulting, USA
12:25-12:55	Panel Discussion	Topic : Advantages and Disadvantages of the AI role in the Healthcare Participaints : Thomas Webster, Kajal Gupta, James W. Lillard, Bardia Yousefi
12:55-13:55		Group Photo Lunch Break
13:55-14:25	Panel Discussion	Topic : Exploring the Pros and Cons of Social Media on Medicine Participaints : Kajal Gupta, James W. Lillard, Bardia Yousefi, Thomas Webster
14:25-14:50	Video Presentation	Title: Genome-wide Association Analysis Locates Ftaur3 in Tartary Buckwheat That Contributes to Enhance Plant Salt Resistance Xiang Lu , Guizhou University, China
14:50-15:15	Video Presentation	Title: Insight into Integrated Omics Arwa Mo'men El-Habbaa , Colors Medical Lab, Egypt

15:15-15:40	Video Presentation	Title: Genome-wide Identification and Characterization of the Sps Gene Family and Its Expression in the Various Developmental Stages and Stress Conditions in Foxtail Millet (<i>Setaria Italica</i>)
Dili Lai , Guizhou University, China		
15:40-16:05	Video Presentation	Title: Genome-wide Associated Study Identifies <i>FtPME113</i> Gene Conferring Drought Resistance in Tartary Buckwheat
Jiayue He , Guizhou University, China		
16:05-16:20 Refreshment Break		
16:20-16:45	Video Presentation	Title: Cloning of a Transcription Factor Gene <i>FtDREB6</i> in Tartary Buckwheat (<i>Fagopyrum Tataricum</i>) and Identification of Its Function in Drought Resistance
Mengyu Zhao , Guizhou University, China		
16:45-17:10	Video Presentation	Title: Molecular Responses Mechanism of the Herbicide Tribenuron-Methyl in Buckwheat by Transcriptome Analysis
Wenfeng Weng , Guizhou University, China		
17:10-17:35	Video Presentation	Title: Genome-Wide Identification, Evolution and Expression Pattern Analysis of the <i>GATA</i> Gene Family in Sorghum Bicolor
Xin Yao , Guizhou University, China		
17:35-18:00 Poster Presentation		
Poster	P1	Title: Behavioral and Molecular Effects of an Investigational Treatment on a Valproic Acid Model of Autism
Diogo G. Silva , Jazz Pharmaceuticals, UK		
Poster	P2	Title: Predicting Patient Outcomes in Bladder Cancer Using Gene Expression Profiles and Deep Learning Algorithms
Andrew Zhou , Stanford University, USA		
Poster	P3	Title: A Model of Cell Population Dynamics in Skeletal Muscle Regeneration
Renad Al-Ghazawi , University of Ottawa, Canada		
Closing the Conference for Day 2		

Exhibitor



Web: <https://www.collaborativedrug.com/>

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Next Event Details:

2nd International Summit on
Biotechnology and Bioinformatics
Sept 16-18, 2024 | Paris, France